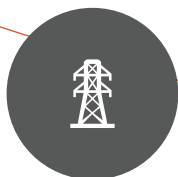


HICONICS

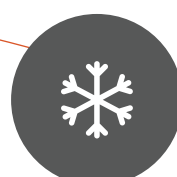
by Midea Industrial Technology



Electric power



Warmth



Cooling

HICONICS ENERGY CUBE

Efficient energy collection, low electricity bills and high quality of life

PV power generation | Energy storage | Air-to-water Heat Pump

OVERVIEW

HICONICS Energy Cube focuses on providing a comfortable energy supply for your home. The new energy era has arrived, with energy saving and environmental protection becoming the norm. Home owners urgently need worry-free, economical and intelligent new home energy solutions.

HICONICS Energy Cube not only is an energy device, but also integrates photovoltaic power generation, air thermal energy, green energy storage and home heating. Hiconics Energy Cube makes every household an independent and safe power station. There is abundant clean solar power that can be enjoyed, and the Midea air heat pump technology is integrated to create a warm home for every family.



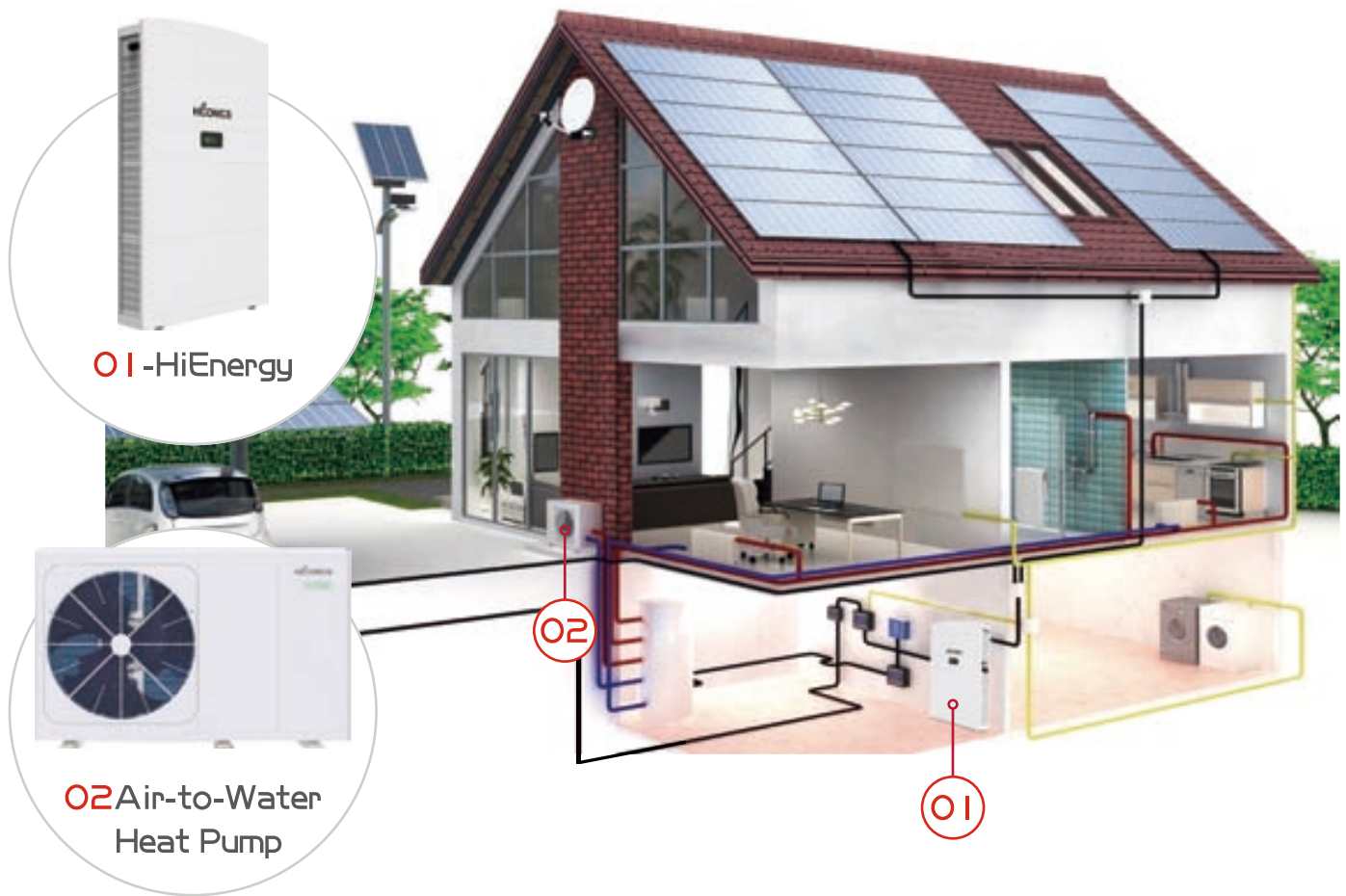
Air-to-Water Heat Pump

HiEnergy(EU)

HiEnergy(US)

WISDOM

HICONICS HOUSEHOLD ENERGY SOLUTION SCAN

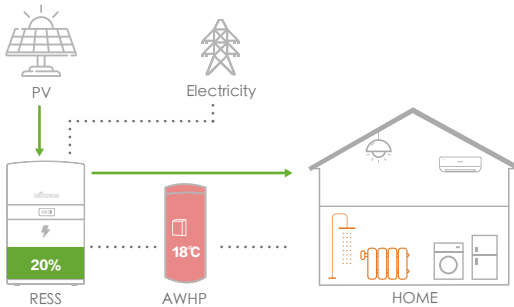


The HICONICS energy cube allows every household roof to be covered with photovoltaic panels, turning solar energy into household electricity. Electric energy can be stored, giving priority to meet 24-hour electricity demand throughout the day. There are a variety of power consumption modes, with priority for self-use, emergency backup power, and energy storage and consumption in different time periods.

HICONICS energy cube provides an air heat pump solution, which solves the biggest energy consumption problem of home hot water supply, and realizes the use of economical and clean energy for household heating. It can provide 300L of hot water at 55 degrees celsius every day, saving 11kWh of electricity daily, supplying warm water around the clock, and keeping the room temperature above 20 degrees celsius.

Energy usage and hot water supply are highly integrated with one-stop monitoring, setting, and energy digitization, supporting remote monitoring and remote setting.

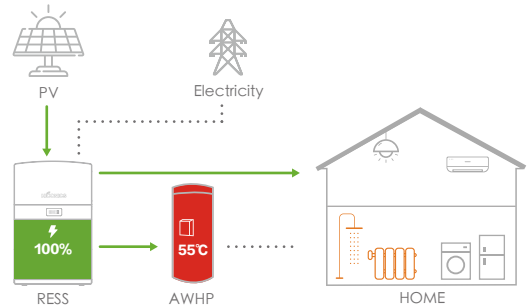
FLEXIBLE TIME TO USE, MORE EFFICIENCY, MORE RELIABLE.



6:00~13:00

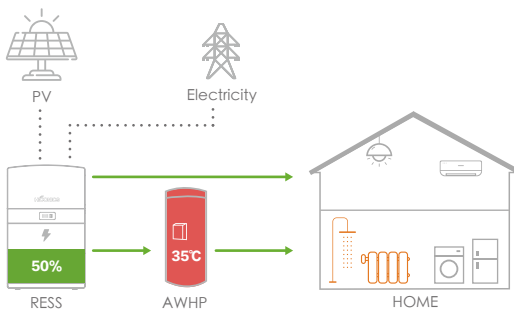
The sun is rising and Hiconics system starts to convert solar energy into electricity for household loads. When PV panels are generating more energy Hiconics system will use the surplus solar energy to charge the Hiconics batteries for later use.

AWHP will standby until the battery is fully charged.



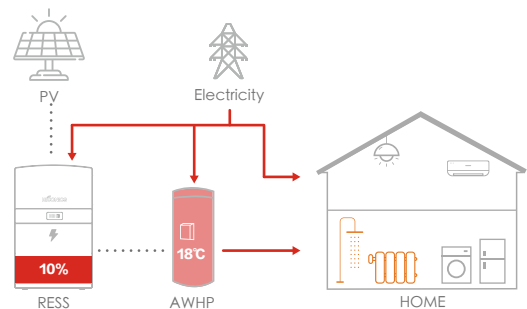
13:00~17:00

When the batteries are fully charged, and there's still excess power to be converted to grid power, Hiconics system will sell the excess electricity to wake up the heat pump, and the heat pump will heat the water up to a higher temperature.



17:00~22:00

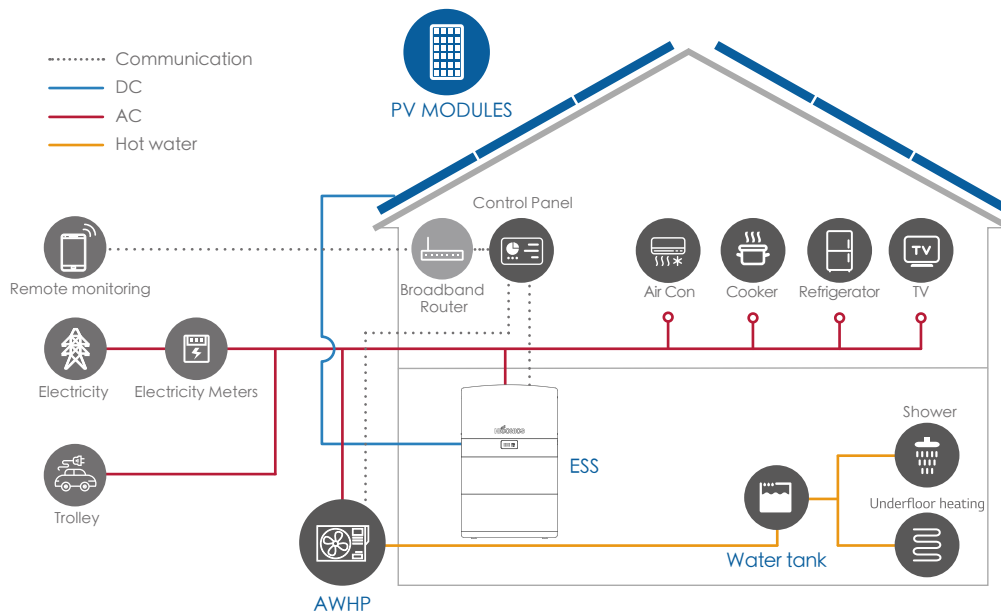
HICONICS batteries are still providing energy to light up the house. Family members can use the hot water which is already heated up during the day.



22:00~06:00

When the battery runs out in special cases, the Hiconics system will switch to the mains power to continue to power the home.

At the same time, AWP will continue to provide heat water and underfloor heating for homes, keeping the indoor temperature of homes around 20 degrees Celsius.



HICONICS STORAGE SYSTEM

I. OUR MANUFACTURING

Adopts high-voltage battery system design with an efficiency increase of 3%. Easy installation and remote monitoring means you can monitor anytime and anywhere.



II. MULTIPLE APPLICATION SYSTEMS

HICONICS ESS products include single-phase system, three-phase system, low-voltage system battery system, and high-voltage battery system, with a power range of 3.8kW~25kW, which can meet the needs of different users for various applications.



III. OUR CERTIFICATION

HICONICS ESS has global certifications such as IEC/UL/VDE and other authoritative certifications



IEC



UL



VDE

IV. ADVANTAGEOUS FEATURES



**INTEGRATED
PHOTOVOLTAIC
AND BATTERY**



**24 HOUR WEBPAGE
AND APP MONITORING**



**FLEXIBLE
EXPANSION**



**EASY
INSTALLATION**

HICONICS AIR-TO-WATER HEAT PUMP

Relying on **Midea** industrial technology which is a fortune 500 company, a comfortable and warm environment is created for the home featuring low noise, high energy efficiency and a wide temperature range. As the main electrical load of the home, HICONICS heat pump can use economical and clean energy to meet household heating and hot water needs. A R32 refrigerant is adopted, which is highly efficiency, protects the environment and is pollution-free, equipped with precise temperature control and is easy to use.



- Heat absorption from the air, no exhaust emissions
- Energy and electricity-saving, 1 kWh of electricity can be exchanged for 3.9kWh of heat energy
- Water and electricity separation without the risk of leakage
- Large capacity and plenty of hot water
- Precise temperature control, stable water temperature and pressure
- Low noise level less than 49dB



**CORE PRODUCTS COME FROM ONE
TEAM AND ADHERE TO
THE ONE SERVICE PHILOSOPHY**



OUR MANUFACTURING

HICONICS by **Midea**, which is based on 55 years improvement, possesses a highly automated production line and a quality control system for the entire industry chain, providing you with superior products of high quality and texture, integrating aesthetics and craftsmanship.

OUR SERVICES

- I 24 hour online maintenance response
- I Overseas professional engineering team
- I Provide training on the use and installation of energy storage and heat pumps
- I Quality assurance covers the entire system

SYSTEM ADVANTAGES

- Efficient integration of electricity, heat, and energy storage to save electricity costs
- Intelligent control, automatic switching of working modes
- 24/7 green energy supply
- Digital energy with remote monitoring
- Safe and reliable with brand support
- One-stop service, a series of products from one team



2003

Corporate History



800 +MWh

Global Shipments

SMART IN HICONICS

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HICONICS

by Midea Industrial Technology

